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PATENT

TECHNICAL CENTER 1600/2900

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Patent application of:  
Duncan McGregor

Serial No.: 09/486,882

Group Art Unit: 1627

Filed: March 2, 2000

Examiner: P. Ponnaluri

For: CHIMERIC BINDING PEPTIDE  
LIBRARY SCREENING METHOD

**SUBMISSION OF SEQUENCE LISTING**

Commissioner of Patents  
Washington, D.C. 20231

Sir:

This is in response to Paper No. 6 mailed July 3, 2001 requesting  
compliance of the sequence rules.

Please find enclosed herewith the following:

1. Sequence listing in computer readable form;
2. Sequence listing in paper form;
3. Declaration of Sophie Coret indicating that there is no new  
matter with respect to the listing already on file.

Applicant believes that all of the above satisfy the requirements of 37

C.F.R. 1.821-1.825.



ATTORNEY DOCKET: 13455.00001  
PATENT

Respectfully submitted,

CHARLES N. QUINN  
Registration No. 27,223

Fox Rothschild O'Brien & Frankel  
2000 Market Street, 10<sup>th</sup> Floor  
Philadelphia, PA 19103-3291  
Tel: 215-299-2135  
Fax: 215-299-2150  
e-mail: [cquinn@frof.com](mailto:cquinn@frof.com)

**CERTIFICATE OF MAILING  
UNDER 37 C.F.R. 1.8(a)**

I hereby certify that this paper, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date indicated below, with sufficient postage, as first class mail, in an envelope addressed to: Commissioner for Patents, Washington, DC 20231

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

  
8-3-01



## SEQUENCE LISTING

&lt;110&gt; Rowett Research Institute Services limited

&lt;120&gt; Chimeric binding peptide library screening method

&lt;130&gt; P22410-/scr/bou

&lt;140&gt; PCT GB98/02630

&lt;141&gt; 1998-09-02

&lt;160&gt; 78

&lt;170&gt; PatentIn Ver. 2.0

&lt;210&gt; 1

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Recombinant human oestrogen

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (41)..(475)

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1 5

cct acg gca gcc gct gga ttg tta tta ctc gcg gcc cag ccg gcc atg 103  
Pro Thr Ala Ala Ala Gly Leu Leu Leu Leu Ala Ala Gln Pro Ala Met  
10 15 20

gcc caa gtg cag ctg cag taa tag gcg gcc gca ggg gga gga ggg tcc 151  
Ala Gln Val Gln Leu Gln Ala Ala Ala Gly Gly Gly Gly Ser  
25 30 35

atg gaa tct gcc aag gag act cgc tac tgt gca gtg tgc aat gac tat 199  
Met Glu Ser Ala Lys Glu Thr Arg Tyr Cys Ala Val Cys Asn Asp Tyr  
40 45 50

gct tca ggc tac cat tat gga gtc tgg tcc tgt gag ggc tgc aag gcc 247  
Ala Ser Gly Tyr His Tyr Gly Val Trp Ser Cys Glu Gly Cys Lys Ala  
55 60 65

ttc ttc aag aga agt att caa gga cat aac gac tat atg tgt cca gcc 295  
Phe Phe Lys Arg Ser Ile Gln Gly His Asn Asp Tyr Met Cys Pro Ala  
70 75 80 85

acc aac cag tgc acc att gat aaa aac agg agg aag agc tgc cag gcc 343  
 Thr Asn Gln Cys Thr Ile Asp Lys Asn Arg Arg Lys Ser Cys Gln Ala  
 90 95 100

tgc cgg ctc cgt aaa tgc tac gaa gtg gga atg atg aaa ggt ggg ata 391  
 Cys Arg Leu Arg Lys Cys Tyr Glu Val Gly Met Met Lys Gly Gly Ile  
 105 110 115

cga aaa gac cga aga gga ggg aga atg ttg aaa cac aag cgc cag aga 439  
 Arg Lys Asp Arg Arg Gly Gly Arg Met Leu Lys His Lys Arg Gln Arg  
 120 125 130

gat gat ggg gag ggc agg ggt gaa gtg ggg tct tga taatcaggtc 485  
 Asp Asp Gly Glu Gly Arg Gly Glu Val Gly Ser  
 135 140 145

agagtgcact gagctaaaat aacacattca gaattc 521

<210> 2  
 <211> 27  
 <212> PRT  
 <213> Recombinant human oestrogen

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Ala Gln Pro Ala Met Ala Gln Val Gln Leu Gln  
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 <211> 115  
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Trp Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly  
 35 40 45

His Asn Asp Tyr Met Cys Pro Ala Thr Asn Gln Cys Thr Ile Asp Lys  
50 55 60

Asn Arg Arg Lys Ser Cys Gln Ala Cys Arg Leu Arg Lys Cys Tyr Glu  
65 70 75 80

Val Gly Met Met Lys Gly Gly Ile Arg Lys Asp Arg Arg Gly Gly Arg  
85 90 95

Met Leu Lys His Lys Arg Gln Arg Asp Asp Gly Glu Gly Arg Gly Glu  
100 105 110

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<212> DNA  
<213> human

<220>  
<221> CDS  
<222> (1)..(102)

<400> 4  
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gag cag ttg aaa tct gga act gcc tct gtt gtg tgc ctg ctg aat aac 96  
Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn  
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ttc tat 102  
Phe Tyr

<210> 5  
<211> 34  
<212> PRT  
<213> human

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30

35

40

45

Phe Tyr

50

&lt;210&gt; 8

&lt;211&gt; 150

&lt;212&gt; DNA

&lt;213&gt; Human lymphocyte

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (1)..(150)

&lt;400&gt; 8

atg gcc cag tcc cac cac gcg tcc ggc gga ggg acc aag gtg gag atc 48

Met Ala Gln Ser His His Ala Ser Gly Gly Gly Thr Lys Val Glu Ile

1

5

10

15

aaa cga act gtg gct gca cca tct gtc ttc atc ttc ccg cca tct gat 96

Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp

20

25

30

gag cag ttg aaa tct gga act gcc tct gtt gtg tgc ctg ctg aat aac 144

Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn

35

40

45

ttc tat

150

Phe Tyr

50

&lt;210&gt; 9

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Human lymphocyte

&lt;400&gt; 9

Met Ala Gln Ser His His Ala Ser Gly Gly Gly Thr Lys Val Glu Ile

1

5

10

15

Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp

20

25

30

Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn

35

40

45

Phe Tyr

50

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<212> DNA

<213> Recombinant human oestrogen

<220>

<221> CDS

<222> (41)..(475)

<400> 10

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Pro Thr Ala Ala Ala Gly Leu Leu Leu Leu Ala Ala Gln Pro Ala Met
           10           15           20

gcc gag gtg caa ctg cag taa tag gcg gcc gca ggg gga gga ggg tcc      151
Ala Glu Val Gln Leu Gln           Ala Ala Ala Gly Gly Gly Gly Ser
           25           30           35

atg gaa tct gcc aag gag act cgc tac tgt gca gtg tgc aat gac tat      199
Met Glu Ser Ala Lys Glu Thr Arg Tyr Cys Ala Val Cys Asn Asp Tyr
           40           45           50

gct tca ggc tac cat tat gga gtc tgg tcc tgt gag ggc tgc aag gcc      247
Ala Ser Gly Tyr His Tyr Gly Val Trp Ser Cys Glu Gly Cys Lys Ala
           55           60           65

ttc ttc aag aga agt att caaggga cat aac gac tat atg tgt cca gcc      295
Phe Phe Lys Arg Ser Ile Gln Gly His Asn Asp Tyr Met Cys Pro Ala
           70           75           80           85

acc aac cag tgc acc att gat aaa aac agg agg aag agc tgc cag gcc      343
Thr Asn Gln Cys Thr Ile Asp Lys Asn Arg Arg Lys Ser Cys Gln Ala
           90           95           100

tgc cgg ctc cgt aaa tgc tac gaa gtg gga atg atg aaa ggt ggg ata      391
Cys Arg Leu Arg Lys Cys Tyr Glu Val Gly Met Met Lys Gly Gly Ile
           105           110           115

cga aaa gac cga aga gga ggg aga atg ttg aaa cac aag cgc cag aga      439
Arg Lys Asp Arg Arg Gly Gly Arg Met Leu Lys His Lys Arg Gln Arg
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120

125

130

gat gat ggg gag ggc agg ggt gaa gtg ggg tct tga taatcaggtc 485  
 Asp Asp Gly Glu Gly Arg Gly Glu Val Gly Ser

135

140

145

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agttaatgta acctcgaatt c 566

&lt;210&gt; 11

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Recombinant human oestrogen

&lt;400&gt; 11

Met Lys Tyr Leu Leu Pro Thr Ala Ala Ala Gly Leu Leu Leu Leu Ala  
 1 5 10 15

Ala Gln Pro Ala Met Ala Glu Val Gln Leu Gln  
 20 25

&lt;210&gt; 12

&lt;211&gt; 115

&lt;212&gt; PRT

&lt;213&gt; Recombinant human oestrogen

&lt;400&gt; 12

Ala Ala Ala Gly Gly Gly Gly Ser Met Glu Ser Ala Lys Glu Thr Arg  
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Tyr Cys Ala Val Cys Asn Asp Tyr Ala Ser Gly Tyr His Tyr Gly Val  
 20 25 30

Trp Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly  
 35 40 45

His Asn Asp Tyr Met Cys Pro Ala Thr Asn Gln Cys Thr Ile Asp Lys  
 50 55 60

Asn Arg Arg Lys Ser Cys Gln Ala Cys Arg Leu Arg Lys Cys Tyr Glu  
 65 70 75 80

Val Gly Met Met Lys Gly Gly Ile Arg Lys Asp Arg Arg Gly Gly Arg  
 85 90 95

Met Leu Lys His Lys Arg Gln Arg Asp Asp Gly Glu Gly Arg Gly Glu  
 100 105 110

Val Gly Ser  
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 <212> DNA  
 <213> Recombinant human oestrogen

<220>  
 <221> CDS  
 <222> (41)..(478)

<400> 13

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 Pro Thr Ala Ala Ala Gly Leu Leu Leu Leu Ala Ala Gln Pro Ala Met  
 10 15 20

gcc gag atg gaa tct gcc aag gag act cgc tac tgt gca gtg tgc aat 151  
 Ala Glu Met Glu Ser Ala Lys Glu Thr Arg Tyr Cys Ala Val Cys Asn  
 25 30 35

gac tat gct tca ggc tac cat tat gga gtc tgg tcc tgt gag ggc tgc 199  
 Asp Tyr Ala Ser Gly Tyr His Tyr Gly Val Trp Ser Cys Glu Gly Cys  
 40 45 50

aag gcc ttc ttc aag aga agt att caa gga cat aac gac tat atg tgt 247  
 Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly His Asn Asp Tyr Met Cys  
 55 60 65

cca gcc acc aac cag tgc acc att gat aaa aac agg agg aag agc tgc 295  
 Pro Ala Thr Asn Gln Cys Thr Ile Asp Lys Asn Arg Arg Lys Ser Cys  
 70 75 80 85

cag gcc tgc cgg ctc cgt aaa tgc tac gaa gtg gga atg atg aaa ggt 343  
 Gln Ala Cys Arg Leu Arg Lys Cys Tyr Glu Val Gly Met Met Lys Gly  
 90 95 100

ggg ata cga aaa gac cga aga gga ggg aga atg ttg aaa cac aag cgc 391  
 Gly Ile Arg Lys Asp Arg Arg Gly Gly Arg Met Leu Lys His Lys Arg  
 105 110 115

cag aga gat gat ggg gag ggc agg ggt gaa gtg ggg tct ggg gga gga 439  
 Gln Arg Asp Asp Gly Glu Gly Arg Gly Glu Val Gly Ser Gly Gly Gly  
 120 125 130

ggg tcg gcc cag ccg gcc ctc ctg cag ctg gcg gcc gca taactgattg 488  
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 135 140 145

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<210> 14

<211> 146

<212> PRT

<213> Recombinant human oestrogen

<400> 14

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 20 25 30

Cys Ala Val Cys Asn Asp Tyr Ala Ser Gly Tyr His Tyr Gly Val Trp  
 35 40 45

Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly His  
 50 55 60

Asn Asp Tyr Met Cys Pro Ala Thr Asn Gln Cys Thr Ile Asp Lys Asn  
 65 70 75 80

Arg Arg Lys Ser Cys Gln Ala Cys Arg Leu Arg Lys Cys Tyr Glu Val  
 85 90 95

Gly Met Met Lys Gly Gly Ile Arg Lys Asp Arg Arg Gly Gly Arg Met  
 100 105 110

Leu Lys His Lys Arg Gln Arg Asp Asp Gly Glu Gly Arg Gly Glu Val  
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Pro Ala Leu Leu Gln Leu Ala  
 130 135 140

Ala Ala  
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<210> 15  
 <211> 372  
 <212> DNA  
 <213> Human

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 <222> (1)..(372)

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 1 5 10 15  
 tcc ctg aga ctc tcc tgt gca gcc tcg gga ttc ccc ttt agt act tat 96  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Phe Ser Thr Tyr  
 20 25 30  
 ggc atg cac tgg cgc cag gct gtc cca ggc aag ggg ctg gag tgg gtg 144  
 Gly Met His Trp Arg Gln Ala Val Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 gca gtt ata tca tat gat gga agt aat aaa tac tac gca gac tcc gtg 192  
 Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60  
 aag ggc cga ttc acc atc tcc aga gac aat tcc aag aac acg ttg tat 240  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80  
 ctg caa atg aac agc ctg aga gct gag gac acg gct gtg tat tac tgt 288  
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 gcg aga gat tta gac ccc acc agg tat agc agt ggc tgg gac act gac 336  
 Ala Arg Asp Leu Asp Pro Thr Arg Tyr Ser Ser Gly Trp Asp Thr Asp  
 100 105 110  
 tac tgg ggc cag ggg cac ctg gtc act gtc tcc tca 372  
 Tyr Trp Gly Gln Gly His Leu Val Thr Val Ser Ser  
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 <212> PRT  
 <213> Human

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20 25 30

Gly Met His Trp Arg Gln Ala Val Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Asp Leu Asp Pro Thr Arg Tyr Ser Ser Gly Trp Asp Thr Asp  
100 105 110

Tyr Trp Gly Gln Gly His Leu Val Thr Val Ser Ser  
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<211> 327

<212> DNA

<213> Human

<220>

<221> CDS

<222> (1)..(327)

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gaa aga gcc acc ctc tcc tgc agg gcc agt cag aat att ggc agc agc 96  
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Asn Ile Gly Ser Ser  
20 25 30

tcc tta gcc tgg tac caa cag aaa cct ggc cag gct ccc agg ctc ctc 144  
Ser Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu  
35 40 45

atc tat ggt gca tcc acc agg gcc act ggt atc cca gcc agg ttc agt 192  
 ile Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser  
 50 55 60

ggc agt ggg tca ggg aca caa ttc act ctc acc atc agc agc ctg cag 240  
 Gly Ser Gly Ser Gly Thr Gln Phe Thr Leu Thr Ile Ser Ser Leu Gln  
 65 70 75 80

tct gaa gat ttt gca gtt tat tac tgt cag cag tat aat ttc tgg cca 288  
 Ser Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Phe Trp Pro  
 85 90 95

ttc act ttt ggc cct ggg acc aag ctg gag atc aaa cgt 327  
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<210> 18  
 <211> 109  
 <212> PRT  
 <213> Human

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 20 25 30

Ser Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu  
 35 40 45

Ile Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser  
 50 55 60

Gly Ser Gly Ser Gly Thr Gln Phe Thr Leu Thr Ile Ser Ser Leu Gln  
 65 70 75 80

Ser Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Phe Trp Pro  
 85 90 95

Phe Thr Phe Gly Pro Gly Thr Lys Leu Glu Ile Lys Arg  
 100 105

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<212> DNA

<213> Artificial Sequence

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<210> 20

<211> 75

<212> DNA

<213> Artificial Sequence

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<210> 21

<211> 32

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic DNA

<400> 21

aaaagcggcc gcactggcct gagaganntt nn

32

<210> 22

<211> 16

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic DNA

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<210> 23  
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<212> DNA  
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<220>  
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<210> 24  
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<210> 26  
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<212> DNA  
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<400> 26

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<210> 27

<211> 20

<212> DNA

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<223> Description of Artificial Sequence: synthetic DNA

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<210> 28

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

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aaagcggccg cactggcctg agaga

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<210> 29

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

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41

<210> 30

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

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<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

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<210> 32

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<212> DNA

<213> Artificial Sequence

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<210> 33

<211> 32

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic DNA

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32

<210> 34

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic DNA

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31

<210> 35

<211> 86

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic DNA

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<210> 36

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic DNA

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<210> 37

<211> 24

<212> DNA

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24

<210> 38

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

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24

<210> 39

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

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agactctccc ctgttgaagc tctt

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<210> 40

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

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27

<210> 41

<211> 39

<212> DNA

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<223> Description of Artificial Sequence: synthetic DNA

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39

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<212> DNA

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<223> Description of Artificial Sequence: synthetic DNA

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<223> Description of Artificial Sequence: synthetic DNA

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39

<210> 44

<211> 39

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic DNA

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39

<210> 45

<211> 47

<212> DNA

<213> Artificial Sequence

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<212> DNA

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 <223> Description of Artificial Sequence: synthetic DNA

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<210> 47  
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<220>  
 <223> Description of Artificial Sequence: synthetic DNA

<400> 47  
 tttttggccc agccggccat ggccgaggtg cagctggtgg agtctgg 47

<210> 48  
 <211> 47  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: synthetic DNA

<400> 48  
 tttttggccc agccggccat ggcccaggtg cagctgcagg agtcggg 47

<210> 49  
 <211> 47  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: synthetic DNA

<400> 49  
 tttttggccc agccggccat ggccgaggtg cagctgttgc agtctgc 47

<210> 50  
 <211> 47  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 50

tttttggccc agccggccat ggcccaggta cagctgcagc agtcagg

47

<210> 51

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 51

ttattcgcgg ccgcctaaac agaggcagtt ccagatttc

39

<210> 52

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 52

gtcacttgcg gccgcctaca gtgtggcctt gttggcttg

39

<210> 53

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 53

tctggcggtg gcggatcgga catccagatg acccagtctc c

41

<210> 54

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 54

tctggcggtg gcggatcgga tggtgtgatg actcagtctc c

41

<210> 55

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 55

tctggcggtg gcggatcgga aattgtgttg acgcagtctc c

41

<210> 56

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 56

tctggcggtg gcggatcgga catcgtgatg acccagtctc c

41

<210> 57

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 57

tctggcggtg gcggatcgga aacgacactc acgcagtctc c

41

<210> 58

<211> 41

<212> DNA

<213> Artificial Sequence



<220>  
 <223> Description of Artificial Sequence: synthetic DNA  
  
 <400> 58  
 tctggcgggtg gcggatcgga aattgtgctg actcagtctc c 41  
  
 <210> 59  
 <211> 42  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: synthetic DNA  
  
 <400> 59  
 ttctcgtgcg gccgcctaac gtttgatttc caccttggtc cc 42  
  
 <210> 60  
 <211> 42  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: synthetic DNA  
  
 <400> 60  
 ttctcgtgcg gccgcctaac gtttgatctc cagcttggtc cc 42  
  
 <210> 61  
 <211> 42  
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 <223> Description of Artificial Sequence: synthetic DNA  
  
 <400> 61  
 ttctcgtgcg gccgcctaac gtttgatctc cactttggtc cc 42  
  
 <210> 62  
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 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 62

ttctcgtgcg gccgcctaac gtttgatctc caccttggtc cc

42

<210> 63

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 63

ttctcgtgcg gccgcctaac gtttaatctc cagtcgtgtc cc

42

<210> 64

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 64

tctggcgggtg gcggatcgca gtctgtgttg acgcagccgc c

41

<210> 65

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 65

tctggcgggtg gcggatcgca gtctgccttg actcagcctg c

41

<210> 66

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 66

tctggcggtg gcggatcgtc ctatgtgctg actcagccac c

41

<210> 67

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 67

tctggcggtg gcggatcgtc ttctgagctg actcaggacc c

41

<210> 68

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 68

tctggcggtg gcggatcgca cggtatactg actcaaccgc c

41

<210> 69

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 69

tctggcggtg gcggatcgca ggctgtgctc actcagccgt c

41

<210> 70

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 70

tctggcggtg gcggatcgaa ttttatgctg actcagcccc a

41

<210> 71

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 71

ttctcgtgcg gccgcctaac ctaggacggt gaccttggtc cc

42

<210> 72

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 72

ttctcgtgcg gccgcctaac ctaggacggt cagcttggtc cc

42

<210> 73

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 73

ttctcgtgcg gccgcctaac ctaaaacggt gagctgggtc cc

42

<210> 74

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 74

cgatccgcca ccgccaga

18

<210> 75

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 75

gtctcctcag gtggaggc

18

<210> 76

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 76

cgatccgcca ccgccagagc cacctccgcc tgaaccgcct ccacctgagg agac

54

<210> 77

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 77

tcaggtcaga gtgacctgag ctaaaataac acattcag

38

<210> 78

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 78

agtccagtct cactggactc gattttattg tgtaagtc

38